

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1042	(tungsten adj trioxide) or WO3	USPAT	OR	ON	2005/08/19 14:38
L2	255	1 and nm	USPAT	OR	ON	2005/08/19 14:39
L3	23	2 and sensor	USPAT	OR	ON	2005/08/19 14:39
S1	174	("5783152") ("5405583") ("4600310") ("5153931") ("4142399") ("4050895") ("5728422") ("5632958") ("5436167") ("5939020") ("6096560").pn.	USPAT	OR	ON	2005/07/19 16:02
S2	6	("5783152").URPN.	USPAT	OR	ON	2005/07/14 11:41
S3	734278	chamber or (seal\$3 adj member) or closure	USPAT	OR	ON	2005/07/14 11:42
S4	5862	(hydrogen or gas) adj sensor	USPAT	OR	ON	2005/08/11 17:11
S5	2718	S3 and S4	USPAT	OR	ON	2005/08/05 11:48
S6	863	S3 same S4	USPAT	OR	ON	2005/07/14 12:39
S7	4256	436/144,164;422/83, 88;356/437;385/12.ccls.	USPAT	OR	ON	2005/07/14 12:45
S8	34	S6 and S7	USPAT	OR	ON	2005/07/14 14:47
S9	2	S6 and "75" and S7	USPAT	OR	ON	2005/07/14 14:47
S10	122	S5 and S7	USPAT	OR	ON	2005/07/21 15:17
S11	326	hydrogen adj sensor	USPAT	OR	ON	2005/07/14 14:52
S12	28665	hydrogen with concentration	USPAT	OR	ON	2005/07/14 14:52
S13	1030	S12 same sensor	USPAT	OR	ON	2005/07/14 14:53
S14	644	S13 and (seal\$3 or chamber)	USPAT	OR	ON	2005/07/14 14:54
S15	196	S11 and (seal\$3 or chamber)	USPAT	OR	ON	2005/07/14 15:56
S16	80181	weld	USPAT	OR	ON	2005/07/14 15:56
S17	8	S16 and S11	USPAT	OR	ON	2005/07/14 15:56
S19	9	chemochromic	USPAT	OR	ON	2005/07/15 16:06
S20	3138	(diffus\$3 with metal) and sensor	USPAT	OR	ON	2005/07/15 16:07
S21	29922	diffus\$3 with metal	USPAT	OR	ON	2005/07/15 16:08
S22	439016	hydrogen	USPAT	OR	ON	2005/07/15 16:08
S23	1021	S21 with S22	USPAT	OR	ON	2005/07/15 16:08
S24	129	S23 and sensor	USPAT	OR	ON	2005/07/18 12:38
S25	804	steel same hydrogen same diffus\$	USPAT	OR	ON	2005/07/15 16:19
S26	181048	("436"/\$ or "422"/\$ or "356"/\$ or "250"/\$).ccls.	USPAT	OR	ON	2005/07/22 11:56
S27	105	S25 and S26	USPAT	OR	ON	2005/07/15 16:20
S28	537	evaporative adj deposition	USPAT	OR	ON	2005/07/18 11:12
S29	4	tungsten same hydrogen adj sensor	USPAT	OR	ON	2005/07/18 11:12

S30	4	tungsten same (hydrogen adj sensor)	USPAT	OR	ON	2005/07/18 11:13
S31	112835	tungsten	USPAT	OR	ON	2005/07/18 12:39
S32	7993	(hydrogen or chemical or gas) adj sensor	USPAT	OR	ON	2005/07/18 12:39
S33	642	S31 and S32	USPAT	OR	ON	2005/07/18 14:46
S34	198	("436"/\$ or "422"/\$ or "356"/\$ or "250"/\$).ccls. and S33	USPAT	OR	ON	2005/07/18 15:51
S35	899	tungsten adj trioxide	USPAT	OR	ON	2005/07/18 15:52
S36	16	S34 and S35	USPAT	OR	ON	2005/07/18 15:52
S37	466	weld same diffus\$ same gas	USPAT	OR	ON	2005/07/19 16:02
S38	96	weld same diffus\$ same hydrogen	USPAT	OR	ON	2005/07/19 16:49
S39	1415	hydrogen adj diffus\$3	USPAT	OR	ON	2005/07/19 16:49
S40	98	("436"/\$ or "422"/\$ or "356"/\$ or "250"/\$).ccls. and S39	USPAT	OR	ON	2005/07/19 18:11
S41	1	("5708735").PN.	USPAT; USOCR	OR	OFF	2005/07/20 10:04
S42	1	diffusible adj hydrogen adj concentration	USPAT	OR	ON	2005/07/21 15:18
S43	634152	diffus\$4 hydrogen	USPAT	OR	ON	2005/07/21 15:18
S44	1407	diffus\$4 adj hydrogen	USPAT	OR	ON	2005/07/21 15:18
S45	73	S44 with concentration	USPAT	OR	ON	2005/07/21 15:18
S46	7	benson-david.in. or wildeman-thomas.in. or smith-r\$1-davis.in. or olson-david.in.	USPAT	OR	ON	2005/07/22 11:43
S47	9	benson-david.in. or wildeman-thomas.in. or smith-r\$1-davis.in. or olson-david.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 11:56
S48	115865	benson.in. or wildeman.in. or smith.in. or olson.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 11:56
S49	1693	("436"/\$ or "422"/\$ or "356"/\$ or "250"/\$).ccls. and S48	USPAT	OR	ON	2005/07/22 12:31
S50	0	wildeman-thomas.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:32
S51	0	wildeman-thomas-r.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:32

S52	3	benson-david.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:32
S53	44	benson-david-k.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:45
S54	0	smith-r-davis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:45
S55	0	smith-r\$1-davis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:45
S56	0	smith-r\$1-davis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:46
S57	0	smith-davis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:46
S58	3873	smith-r\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:46
S59	3611	smith-r\$3.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 14:57
S60	0	smith-r\$3-davis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 12:47
S61	13	olson-david-l.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:01
S62	100308	smith.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:01
S63	2334547	hydrogen or sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:02

S64	13175	S62 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:02
S65	1001	S64 and optic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:02
S66	527	S64 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/22 13:03
S67	9864	hydrogen adj2 concentration	USPAT	OR	ON	2005/08/03 10:36
S68	14923	hydrogen near2 concentration	USPAT	OR	ON	2005/08/03 10:37
S69	82	hydrogen near2 concentration.ti.	USPAT	OR	ON	2005/08/03 10:38
S70	18	hydrogen adj concentration.ti.	USPAT	OR	ON	2005/08/03 11:05
S71	112	(hydrogen adj concentration) with measure	USPAT	OR	ON	2005/08/03 11:17
S72	58853	optic near1 fiber	USPAT	OR	ON	2005/08/03 11:17
S73	9829	hydrogen near1 concentration	USPAT	OR	ON	2005/08/03 11:17
S74	5	S72 with S73	USPAT	OR	ON	2005/08/03 11:17
S75	14	S72 same S73	USPAT	OR	ON	2005/08/03 11:18
S76	148	S72 and S73	USPAT	OR	ON	2005/08/03 11:26
S77	174	"5783152" or "5405583" or "4600310" or "5153931" or "4142399" or "4050895" or "5728422" or "5632958" or "5436167" or "5939020" or "6096560".pn.	USPAT	OR	ON	2005/08/03 11:30
S79	66	dimeo.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/03 17:28
S80	8	yttrium adj dihydride	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/03 17:28
S81	1	("4221651").PN.	USPAT; USOCR	OR	OFF	2005/08/04 16:28
S82	0	("1andtungsten").PN.	USPAT; USOCR	OR	OFF	2005/08/04 17:05
S83	4	nickel with optic with changes	USPAT	OR	ON	2005/08/04 17:06
S84	4799	sensor with reflector	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:21
S85	51133	sensor with reflect\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:22

S86	36	S85 with hydrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:18
S87	6	("4872759"   "5107316"   "5290103"   "5708735"   "5835229"   "6006582").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:10
S88	820	evaporative adj deposition	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:18
S89	2255146	film or layer or (sensing layer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:19
S90	618	S88 same S89	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:19
S91	446	S88 with S89	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:24
S92	1887831	sensing layer	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:21
S93	289	S92 with S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:22
S94	1187	sensing adj layer	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:22
S95	0	S94 with S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:22
S96	0	S94 same S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:22
S97	0	S94 and S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:22
S98	102131	optical adj fiber	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:44
S99	2	S98 with S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:24
S10 0	3	S98 same S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:29
S10 1	65	S88 and S98	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:48

S10 3	69724	porous with (film or layer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 11:48
S10 4	5887	(hydrogen or gas) adj sensor	USPAT	OR	ON	2005/08/05 11:49
S10 5	867	S104 and S103	USPAT	OR	ON	2005/08/05 11:49
S10 6	137	S103 with S104	USPAT	OR	ON	2005/08/05 11:49
S10 8	120	436/144.ccls.	USPAT	OR	ON	2005/08/08 14:16
S10 9	34	("3768975"   "3951603"   "3953173"   "4058368"   "4574095"   "4661320"   "4836012"   "4892834"   "5279795"   "5287725"   "5317897"   "5417821"   "5520753"   "5635729"   "5652433"   "5668301"   "5670115"   "5691465"   "5733506"   "5783152"   "6006582"   "6185344"   "6230545"   "6265222"   "6269680"   "6463789"   "6535658"   "6561690"   "6565239"   "6573536"   "6590773"   "6596236"   "6637253"   "6691554").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 14:27
S11 2	14464	("850" adj nm) or ("800" adj nm) or ("900" adj nm)	USPAT	OR	ON	2005/08/09 14:30
S11 3	1939	microwatts	USPAT	OR	ON	2005/08/09 14:30
S11 4	260956	laser	USPAT	OR	ON	2005/08/09 14:30
S11 5	3880	S114 same S112	USPAT	OR	ON	2005/08/09 14:30
S11 6	23	S115 and S113	USPAT	OR	ON	2005/08/09 14:37
S11 7	2741	S112 with S114	USPAT	OR	ON	2005/08/09 14:38
S11 8	326	hydrogen adj sensor	USPAT	OR	ON	2005/08/09 14:38
S11 9	0	S117 and S118	USPAT	OR	ON	2005/08/09 14:38
S12 0	3880	S112 same S114	USPAT	OR	ON	2005/08/09 14:50
S12 1	0	S118 and S120	USPAT	OR	ON	2005/08/09 14:51
S12 2	5538	optic adj fiber	USPAT	OR	ON	2005/08/09 14:51

S12 3	417150	sensor	USPAT	OR	ON	2005/08/09 14:51
S12 4	1099	S114 and S122 and S123	USPAT	OR	ON	2005/08/09 14:53
S12 5	1060	S114 same S122	USPAT	OR	ON	2005/08/09 14:53
S12 6	383	S123 and S125	USPAT	OR	ON	2005/08/09 17:37
S12 7	6	("4872759"   "5107316"   "5290103"   "5708735"   "5835229"   "6006582").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 16:12
S12 8	4	S127 and laser	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 16:12
S12 9	30617	collimated	USPAT	OR	ON	2005/08/09 17:42
S13 0	260956	laser	USPAT	OR	ON	2005/08/09 17:42
S13 1	9367	S130 with S129	USPAT	OR	ON	2005/08/09 17:42
S13 2	5893	(hydrogen or gas) adj sensor	USPAT	OR	ON	2005/08/09 17:43
S13 3	13	S131 and S132	USPAT	OR	ON	2005/08/10 10:32
S13 4	144418	thin adj film	USPAT	OR	ON	2005/08/10 10:32
S13 5	2130	S134 with porous	USPAT	OR	ON	2005/08/10 10:32
S13 6	481	S135 and sensor	USPAT	OR	ON	2005/08/10 10:33
S13 7	116	S135 same sensor	USPAT	OR	ON	2005/08/10 11:04
S13 8	463	snay-jeffrey.xa,xp.	USPAT	OR	ON	2005/08/10 11:04
S13 9	1	S137 and S138	USPAT	OR	ON	2005/08/10 11:08
S14 0	165421	porous	USPAT	OR	ON	2005/08/10 11:08
S14 1	3577	S140 same S134	USPAT	OR	ON	2005/08/10 11:09
S14 2	5	S141 and S138	USPAT	OR	ON	2005/08/10 15:40
S14 3	0	"5327225".ccls.	USPAT	OR	ON	2005/08/10 15:40
S14 4	1	"5327225".pn.	USPAT	OR	ON	2005/08/10 15:44

S14 5	1	S144 and deposition	USPAT	OR	ON	2005/08/10 15:50
S14 6	151920	platinum or palladium	USPAT	OR	ON	2005/08/10 15:50
S14 7	242134	nm	USPAT	OR	ON	2005/08/10 15:50
S14 8	4130	S146 same S147	USPAT	OR	ON	2005/08/10 15:50
S14 9	1705	S146 with S147	USPAT	OR	ON	2005/08/10 15:51
S15 0	10543	S146 with film	USPAT	OR	ON	2005/08/10 15:52
S15 1	500	S150 with S147	USPAT	OR	ON	2005/08/10 16:40
S15 2	901	tungsten adj trioxide	USPAT	OR	ON	2005/08/10 16:40
S15 3	161	S152 same film	USPAT	OR	ON	2005/08/10 16:41
S15 4	24	S153 and sensor	USPAT	OR	ON	2005/08/10 16:41
S15 5	3	S154 and nm	USPAT	OR	ON	2005/08/10 16:41
S15 6	14464	("850" adj nm) or ("800" adj nm) or ("900" adj nm)	USPAT	OR	ON	2005/08/10 17:03
S15 7	23	S156 and S152	USPAT	OR	ON	2005/08/10 17:04
S15 8	9367	collimated with laser	USPAT	OR	ON	2005/08/11 09:43
S15 9	17326	optic same sensor	USPAT	OR	ON	2005/08/11 09:43
S16 0	684	S158 and S159	USPAT	OR	ON	2005/08/11 16:35
S16 1	2	("2312279").PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:36
S16 2	0	gb-2312279.did.	USPAT; EPO; DERWENT	OR	ON	2005/08/11 16:42
S16 3	23791250	cc=gb and pn="2312279"	USPAT; EPO; DERWENT	OR	ON	2005/08/11 16:49
S16 4	2	gb-2312279-\$.did.	USPAT; EPO; DERWENT	OR	ON	2005/08/11 17:10
S16 5	219673	calibrat\$3	USPAT; EPO; DERWENT	OR	ON	2005/08/11 17:11



S16 6	5893	(hydrogen or gas) adj sensor	USPAT	OR	ON	2005/08/11 17:11
S16 7	1540	S166 and S165	USPAT	OR	ON	2005/08/11 17:11
S16 8	921	S167 and area	USPAT	OR	ON	2005/08/11 17:17
S16 9	15309	S165 same area	USPAT	OR	ON	2005/08/11 17:17
S17 0	165	S169 and S166	USPAT	OR	ON	2005/08/11 17:50
S17 1	4	S169 and (hydrogen adj sensor)	USPAT	OR	ON	2005/08/11 17:57
S17 2	326	hydrogen adj sensor	USPAT	OR	ON	2005/08/11 17:54
S17 3	78	S165 and S172	USPAT	OR	ON	2005/08/11 17:54
S17 4	14312	S165 same volume	USPAT	OR	ON	2005/08/11 17:57
S17 5	3	S172 and S174	USPAT	OR	ON	2005/08/11 17:57
S17 6	97425	nio or ni	USPAT	OR	ON	2005/08/12 14:13
S17 7	3	S176 same optic adj fiber	USPAT	OR	ON	2005/08/12 14:40
S17 8	89	S176 and (optic adj fiber)	USPAT	OR	ON	2005/08/12 15:34
S17 9	3	S176 same (optic adj fiber)	USPAT	OR	ON	2005/08/12 14:40
S18 0	40860	optic and sensor	USPAT	OR	ON	2005/08/12 15:37
S18 1	738366	seal\$4	USPAT	OR	ON	2005/08/12 15:37
S18 2	440150	hydrogen	USPAT	OR	ON	2005/08/12 15:40
S18 3	1367	S180 and S181 and S182	USPAT	OR	ON	2005/08/12 15:41
S18 4	1367	S180 and S181 and S182	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:41
S18 5	2811	optic and sensor and seal\$4 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:42

S18 6	2758	S185 and method	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:45
S18 7	22678	(hydrogen or gas) adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:46
S18 8	10863	optic adj (fiber or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:46
S18 9	2306654	seal\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 15:47
S19 0	21	S187 and S188 and S189	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 16:15
S19 1	996	hydrogen adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 16:15
S19 2	119868	optic near1 (fiber or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 16:15
S19 3	7	S181 and S191 and S192	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/12 16:16
S19 4	68	("3906241"   "4784486"   "4802761"   "4857472"   "4892383"   "5112127"   "5124129"   "5139334"   "5341206").PN. OR ("5404218").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 16:54
S19 5	0	"6328932.pn."	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 16:54
S19 6	0	("6328932b1").PN.	USPAT; USOCR	OR	OFF	2005/08/12 16:54

S19 7	1	("6328932").PN.	USPAT; USOCR	OR	OFF	2005/08/12 16:55
S19 8	1	("4600310").PN.	USPAT; USOCR	OR	OFF	2005/08/15 16:51
S19 9	1	S198 and concentration	USPAT	OR	ON	2005/08/16 13:22
S20 0	53073	(optical adj fiber) and reflect\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:46
S20 1	1277549	sens\$2 or detect\$3.ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:46
S20 2	23000	S200 and S201	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:47
S20 3	7099	reflect with fiber	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:48
S20 4	2297	S202 and S203	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:48
S20 5	595	S204 and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 17:05
S20 6	7996	gas adj sensor	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 17:05
S20 7	7099	reflect with fiber	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 17:05
S20 8	29	S206 and S207	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 19:49
S20 9	1	("6535658").PN.	USPAT; USOCR	OR	OFF	2005/08/16 19:50
S21 0	6	("4872759"   "5107316"   "5290103"   "5708735"   "5835229"   "6006582").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 19:50
S21 1	49	palladium and (optic adj fiber) and reflect\$4	USPAT	OR	ON	2005/08/17 12:33